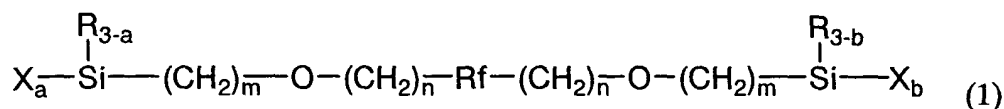


What is Claimed Is:

1. A lens comprising a lens substrate, a surface layer, and a backing member provided beneath said surface layer, in which said backing member is either identical to said lens substrate, or a separate layer from said lens substrate, wherein said surface layer comprises a hydrolysis-condensation product of a perfluoropolyether modified silane represented by a general formula (1) shown below:



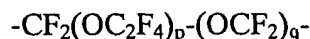
- wherein, Rf is a bivalent group comprising a straight chain perfluoropolyether structure containing no branching and comprising a unit represented by a formula $-(\text{C}_k\text{F}_{2k}\text{O})-$ wherein, k represents an integer from 1 to 6, each R represents, independently, a monovalent hydrocarbon group of 1 to 8 carbon atoms, each X represents, independently, a hydrolysable group or a halogen atom, each n represents, independently, an integer from 0 to 2, each m represents, independently, an integer from 1 to 5, and each a and b represents, independently, 2 or 3.

2. The lens according to claim 1, wherein said Rf group in said general formula (1) is a bivalent group comprising a perfluoropolyether structure represented by a general formula shown below:



wherein, l represents an integer of 1 or greater.

3. The lens according to claim 1, wherein said Rf group in said general formula (1) is a bivalent group comprising a perfluoropolyether structure represented by a general formula shown below:



wherein, p and q each represent an integer of 1 or greater, a sum of p+q is an integer from 10 to 100, and the repeating units represented by (OC_2F_4) and (OCF_2) in the general

- formula are arranged at random.

4. The lens according to claim 1, wherein each group X in said general formula (1) represents, independently, a methoxy group, an ethoxy group, an isopropenoxy group or a chlorine atom.

5

5. The lens according to claim 1, wherein a thickness of said surface layer is within a range from 0.1 nm to 5 μm .

6. The lens according to claim 1, wherein said backing member is different from said lens substrate, and is an inorganic anti-reflective layer.

10

7. The lens according to claim 1, wherein said surface layer is formed by vacuum-depositing said perfluoropolyether modified silane directly onto said backing member, and subsequently performing hydrolysis and condensation.

15

8. The lens according to claim 1, wherein said surface layer is formed by applying a coating agent comprising either said perfluoropolyether modified silane or a combination of said modified silane with a partial hydrolysis-condensation product of said modified silane, onto said backing member, and subsequently performing hydrolysis and condensation.

20

9. The lens according to claim 8, wherein said coating agent comprises from 0.01 to 5 parts by weight of a hydrolysis catalyst per 100 parts by weight of either said perfluoropolyether modified silane, or a combination of said modified silane with a partial hydrolysis-condensation product of said modified silane.

25